

StWhy1 10 20 30 40 50 60 70
AtWhy1 MSNFSLSPTSSTGFSNLQNPTKTSYLSFSSSIINTIFAPLSSNTTKSFSLTHKAALPRNLSLTCRHSY
AtWhy2 MS...QLLSTPLMAVN.....SNPRFLSS.SVLVTGGFAVKRHGFALKPTTKTVKLFVSKSRQTDY
AtWhy3 MKQARSLLSRSLCDQSKS...LFEASTLRGFASWSNSTPGRGFGKDAKP.....
Consensus MS...QLLSSPPMAVFSKTFINHKFSDARLSLH.SILTSGGFAGK..IPLKPTAR..LKLTVKSRQSDY

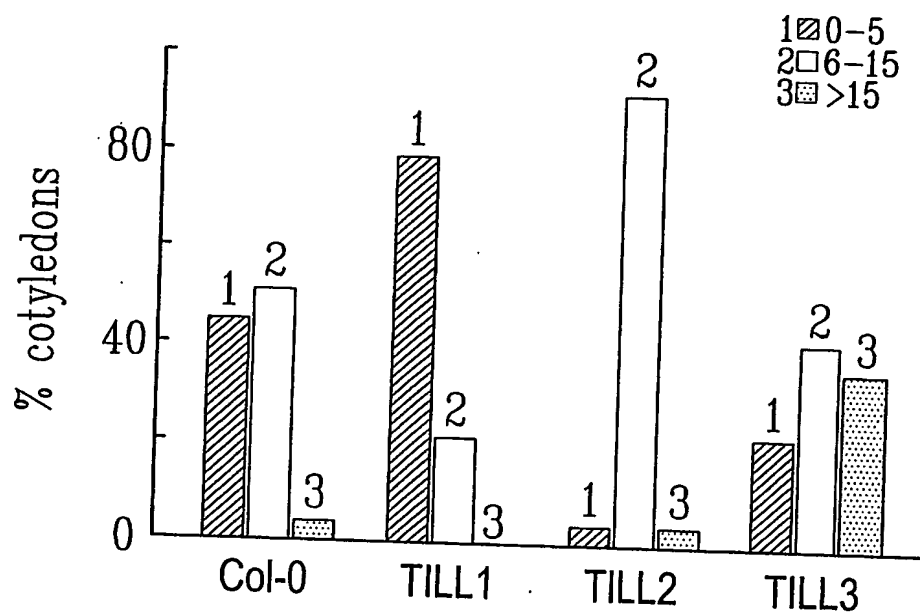
StWhy1 80 90 100 110 120 130
AtWhy1 FEPOQQQQQQQP.QGASTPKVVFVGYSYKGGKAALVEPRSPFEFSPLDSCAFKLSREGVMMLQFAPAAAG
AtWhy2 FEKQRFGDSSSSSPAEGLPARFYMVGHSYKGGKAALTVDPRAPFEFVALDSCAFKLSKDDGFLLQFAPSAAG
AtWhy3SGRLFAPYSIFKGGKAALSVERVLPSFTEIDSGNLRDRGSEMMTFMPAIG
Consensus FEKQRFGDSSSSQN.AEVSSPRFYMVGHSYKGGKAALTVEPRAPFEFVALDSCAFKLTKEGFLQFAPAAAG

StWhy1 140 150 160 170 180 190 200
AtWhy1 VRQYDWSRKQVFSLSVTEFGSLSLGAKDSCEFFHDPNKGSRDEGRVARKVLKVEPLPDGSGHFFNLSVQN
AtWhy2 VRQYDWSKKQVFSLSVTEFGTLVSLGPRESCEFFHDPFKGKSDEGKVRKVLKVEPLPDGSGHFFNLSVQN
AtWhy3 ERKYDWEKKQKFALSPTFVGSLSISMGSKDSSEFFHDPNKGSRDEGRVARKVLKVEPLPDGSGHFFNLSVQN
Consensus VRQYDWSRKQVFSLSVTEFGNLVSLGPRESCEFFHDPFKGKGDEGKVRKVLKVEPLPDGSGHFFNLSVQN

StWhy1 210 220 230 240 250 260 270
AtWhy1 KLTNLNDENIYIPVTKAEFAVLVSATNFVMPYLEGWHTAVNSFKPEDA.SR.SNNANPRSGAEL EWMNR (SEQ ID NO:1)
AtWhy2 KLVNVDESIYIPVTKAEFAVLVSATNFVMPYLEGWHTAVNSFKPEET.SR.VNNASPNYGGDYEMNR (SEQ ID NO:2)
AtWhy3 SILKTNNDYFVMPVTKAEFAVMKTAFSFALPHFMGNWRLTGHVNTALPSRNVSHLKTPEQLELEMDK (SEQ ID NO:3)
Consensus KLELVNVDSESVYIPVTKAEFAVLVSATNFVMPYLEGWHTAVNSFKPEES.NR.LNNASPKYGGDY EWSR (SEQ ID NO:4)

Fig-1

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Fig-2

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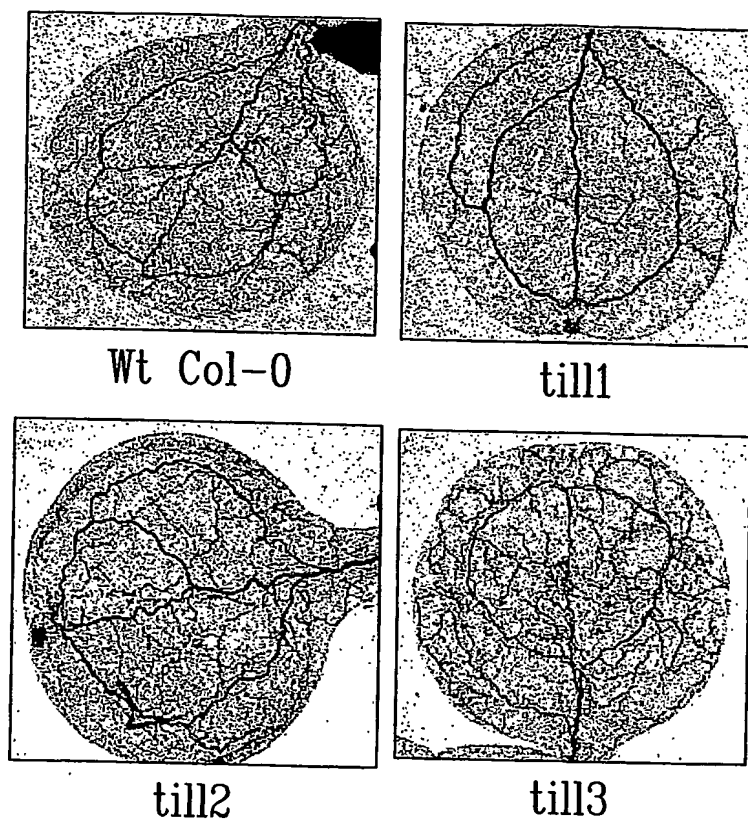


Fig-3

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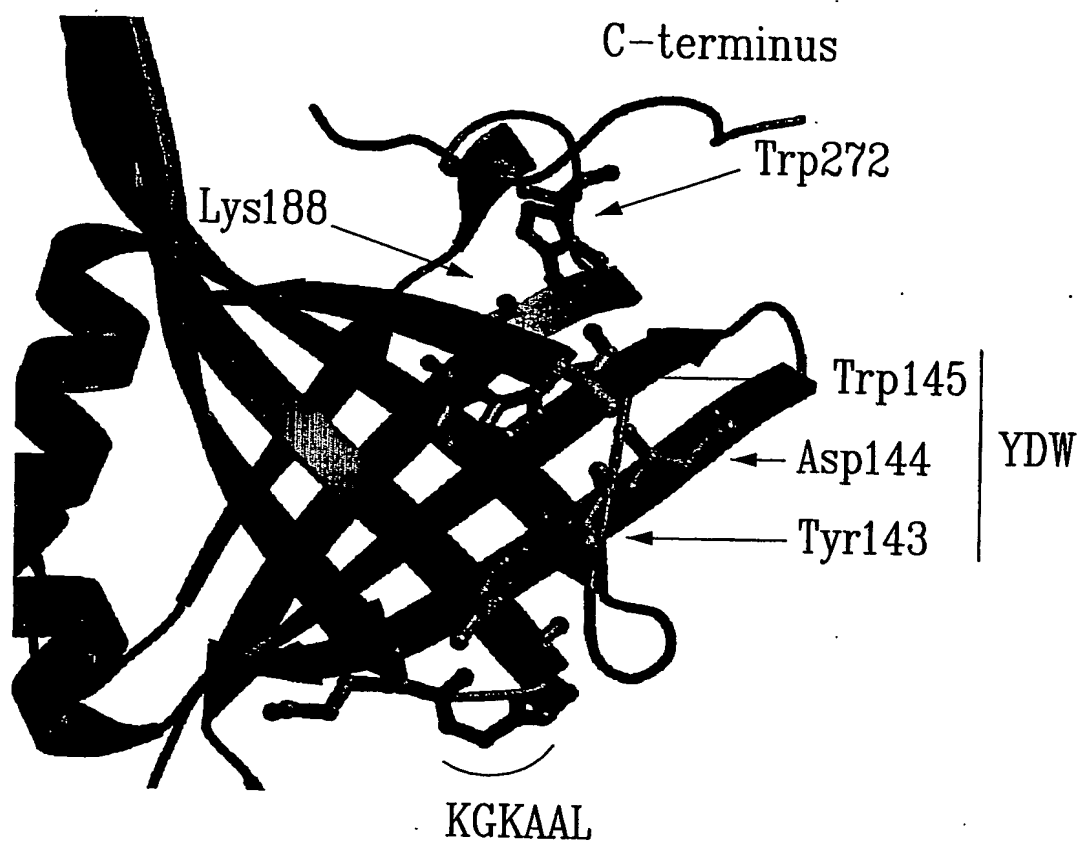
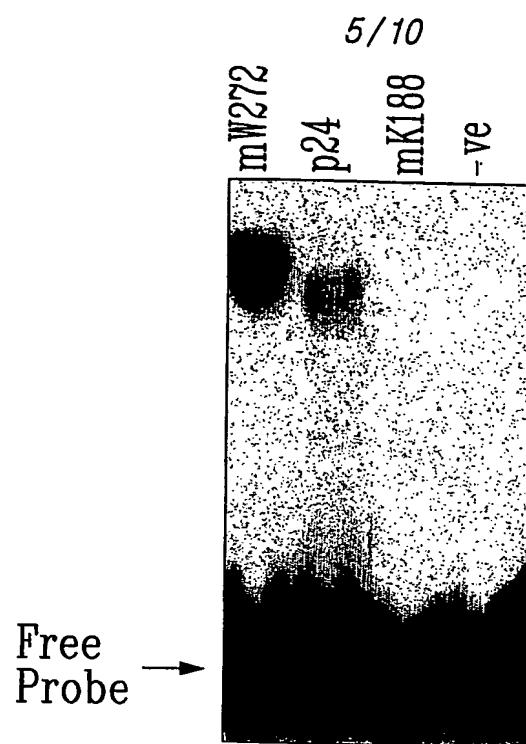
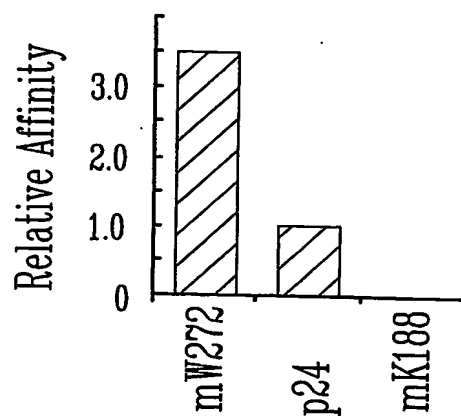
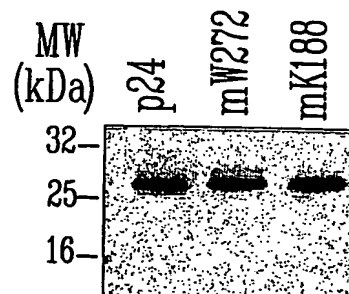


FIG-4

**Fig- 5A****Fig- 5B****Fig- 5C**

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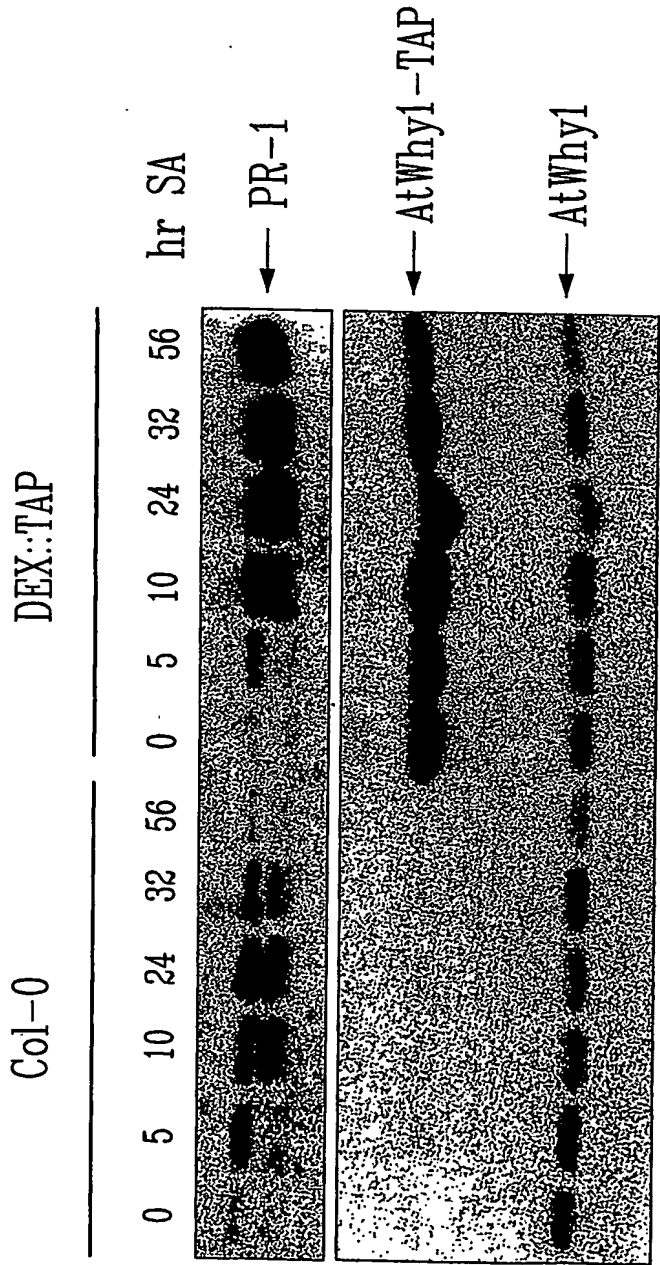
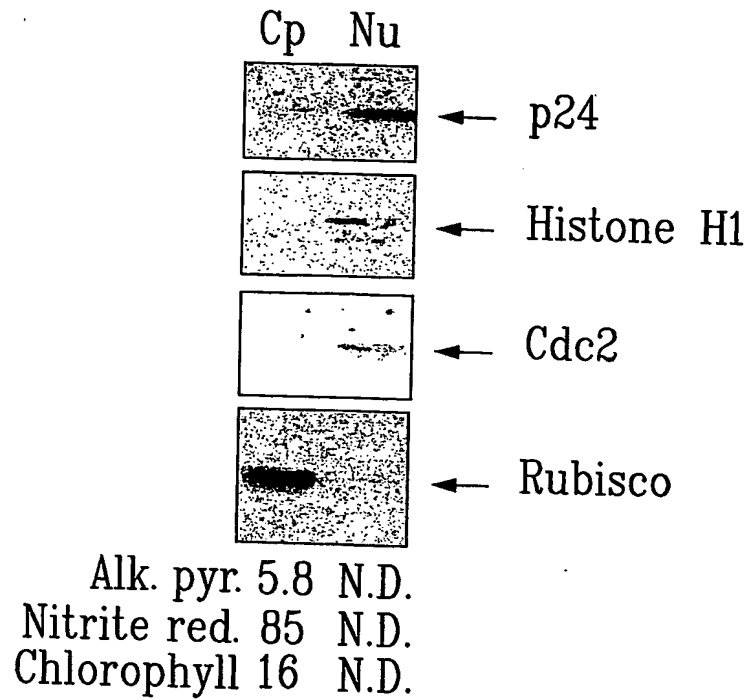


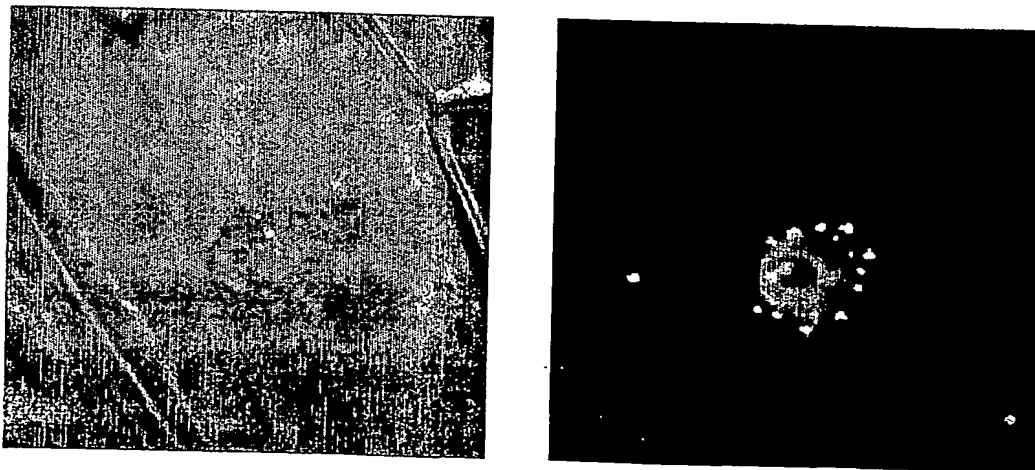
Fig. 6

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Intracellular Localization of p24 in Potato Leaves

Fig-7

Intracellular Localization of p24-GFP in Roots

Fig-8

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Chloroplast Localization of p24-GFP in Mesophyll Cells

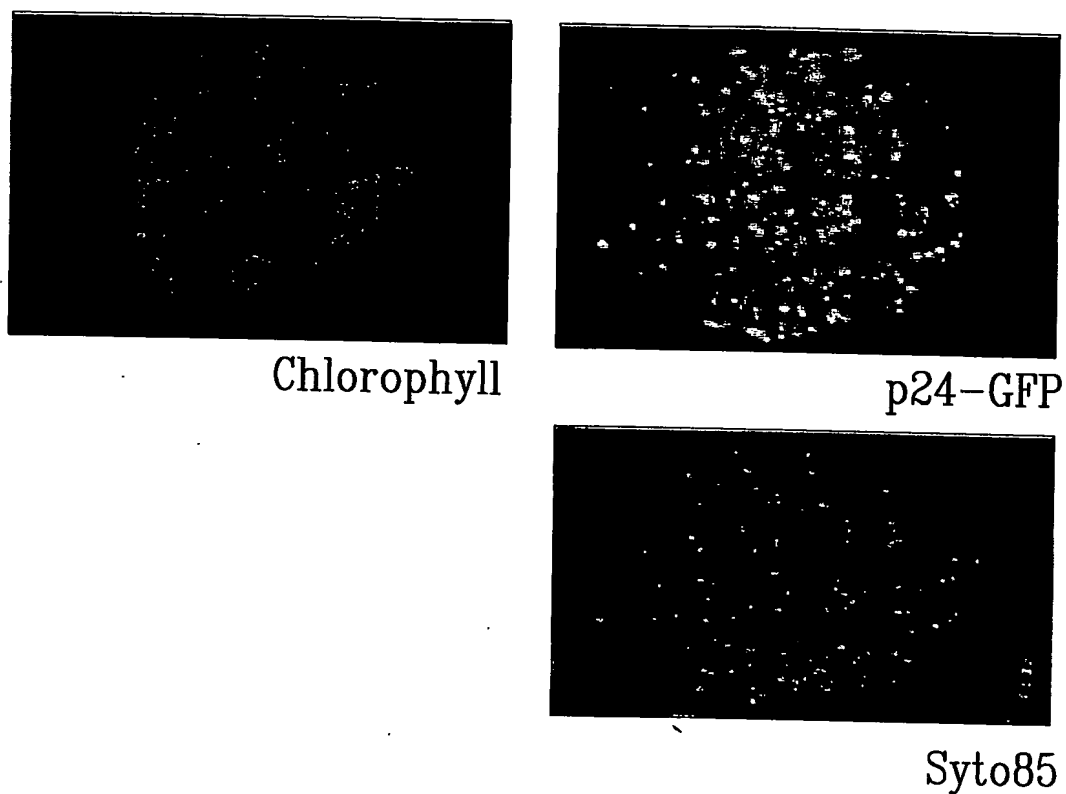
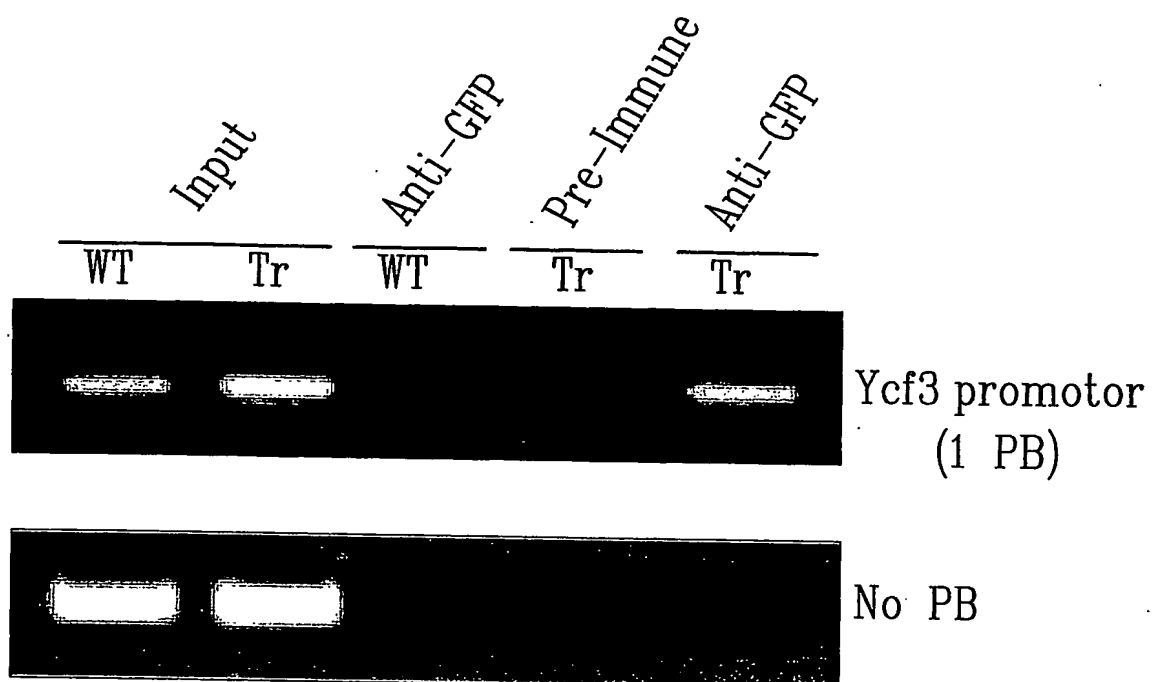


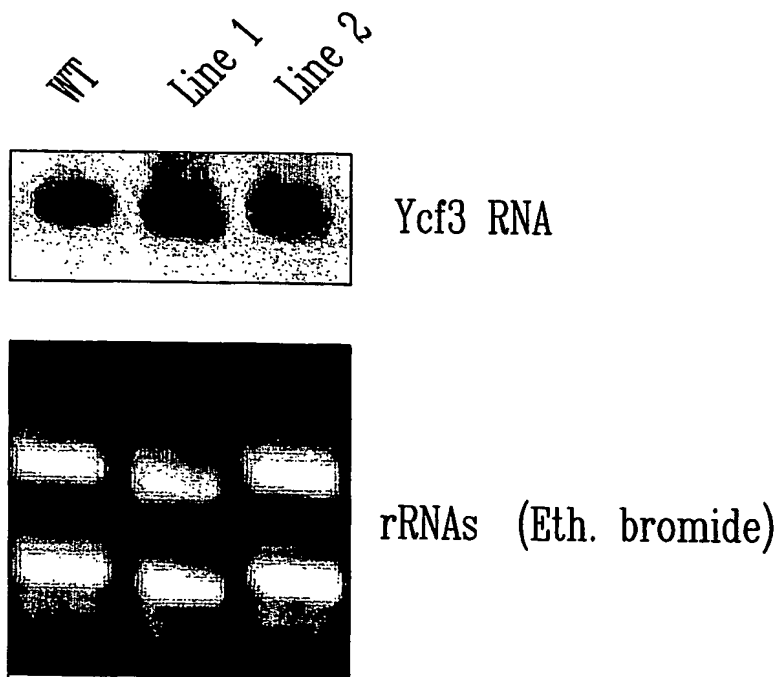
Fig-9

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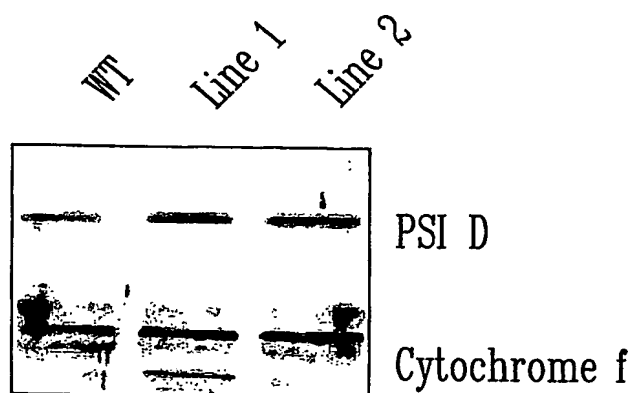
p24 Binds to *YCF3* on Chloroplast DNAFig-10

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Ycf3 RNA Increases in Wounded p30 Potato

Fig-11

PSI-D Protein Level Increases in Wounded p30-Potato

Fig-12

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